

# Migratory Bird Hunting Digest 2017

**Dove, Rail,  
Snipe, Teal,  
Woodcock**



JIM RATHER



*Serving nature and you®*

Mourning dove



DAVID STONNER

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## Permit and Stamp Requirements

To pursue, take, possess, and transport doves, rails, snipe, teal, and woodcock in Missouri, a hunter must possess and carry the following, unless exempt:

1) **Missouri permit<sup>1</sup> to hunt small game is required of:**

- Missouri residents age 16 through 64
- Nonresidents age 16 and older

An annual permit is available to residents for \$10 and nonresidents for \$80. A daily permit is also available to nonresidents for \$11 per day.

**Exemption:** Missouri resident landowners as defined in the *Wildlife Code of Missouri* hunting on their own land do not need a Missouri small game hunting permit, but the Migratory Bird Hunting Permit is required, and, to hunt teal, a Federal Duck Stamp is required.

2) **Missouri Migratory Bird Hunting Permit<sup>1</sup> is required of:**

- Residents and nonresidents age 16 and older

This permit is available for \$6. Purchase of this permit satisfies requirements for Migratory Game Bird Harvest Registration.

3) **Federal Duck Stamp is required of:**

- Every teal hunter age 16 and older (Dove, rail, snipe, and woodcock hunters do not need this stamp.)

Duck stamps are available online and at some U.S. Post Offices and permit vendors. See Page 5 for important information about duck stamps. To be valid, a paper duck stamp must be signed in ink across the face.

## Permit Requirements for Hunters Younger Than 16

Resident and nonresident hunters age 15 and younger do not need to purchase permits to hunt doves, rails, snipe, teal, or woodcock in Missouri. However, they must be in the immediate presence of a properly licensed adult hunter or have in their possession a valid hunter-education certificate card while hunting.

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<sup>1</sup>All hunters born on or after Jan. 1, 1967, must complete an approved hunter-education course and display their certification card before purchasing firearms hunting permits unless permits are purchased using an Apprentice Hunter Authorization (see Page 6).

## Who may purchase resident permits?

- Any person who does not claim resident privileges in another state or country, and whose actual residence and legal permanent home address are both in Missouri, and have been for at least 30 days before applying for the permit. Owning real estate or attending a Missouri school does not in itself make you a legal resident.
- Missouri residents employed by the United States in the District of Columbia or serving in the U.S. armed forces. (Immediate family members who reside with them also may purchase resident permits.)
- All members of the U.S. armed forces stationed and residing in Missouri on permanent change-of-station status and immediate family members residing with them.
- Any honorably discharged military veteran having a service-related disability of 60 percent or greater, or who was a prisoner of war during military service; must carry a certified statement of eligibility from the U.S. Department of Veterans Affairs while hunting and purchasing permits.
- Any member of the U.S. military currently assigned as a patient to a Warrior Transition Brigade, Warrior Transition Unit, or a military medical center; must carry orders showing assignment to a Warrior Transition Brigade, Warrior Transition Unit, or admissions verification to a military medical center while hunting and purchasing permits.
- Nonresidents who are registered students attending a public or private secondary, postsecondary, or vocational school in Missouri and who live in Missouri while attending school; must carry evidence of a Missouri residence and student status, such as a student ID, while hunting.

**Note:** Nonresident students who qualify for resident permits must purchase them from Conservation Department offices in person, by phone, or by mail.

- Immigrants who possess an I-551 Resident Alien Card from the U.S. Immigration and Naturalization Service and who do not claim resident privileges in another state or country, and whose actual residence and legal permanent home address are both in Missouri, and have been for at least 30 days before purchasing a permit.

## Where to Purchase Permits

- Over the counter from any permit vendor. No surcharges will be assessed.
- Online anytime at **[mdc.mo.gov/permits](https://mdc.mo.gov/permits)**. Use your credit card to pay. No surcharges will be assessed. Print your permit at home and have it in hand immediately.
- From your smartphone using the free MO Hunting app (see Page 6). Use your credit card to pay. No surcharges will be assessed. Your permit will appear on the app immediately after purchase.
- By telephone at 800-392-4115. Use your credit card and pay a \$1 surcharge. Allow 10 days for delivery.



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## Where to Purchase Duck Stamps

- Duck stamps are no longer sold at waterfowl hunting areas, except for Columbia Bottom.
- Many permit vendors, such as hunting equipment retailers, no longer sell traditional (paper) duck stamps. However, all permit vendors offer electronic duck stamps (see next bullet).
- You may now buy duck stamps online at **[mdc.mo.gov/permits](https://mdc.mo.gov/permits)**, from a retail permit vendor, or through the MO Hunting app (see Page 6). An electronic duck stamp (e-Stamp) will be issued to you, and a paper duck stamp will be mailed to you. The e-Stamp may be used immediately and is valid for 45 days. After 45 days, you must carry the paper duck stamp that is mailed to you. The cost of an e-Stamp is \$28.50, which includes a \$3.50 handling fee. This fee is set and fully retained by the federal government. If you do not receive your paper duck stamp, please contact Amplex customer service at 800-852-4897.
- Traditional (paper) duck stamps may be purchased for \$25 at some U.S. Post Offices and some Conservation Department offices. Please contact the office before you visit to ask if duck stamps are available.

Ninety-eight cents of every dollar generated by duck stamp sales goes directly to purchasing or leasing wetland habitat. Since 1934, duck stamp funds have been used to acquire more than 6 million acres of wetland habitat. This habitat provides homes for countless wildlife species and places for hunters and other outdoor enthusiasts to enjoy.

## Replacing Permits

If you lose your permit, simply download the MO Hunting app (see Page 6) to your Android or Apple mobile device, login with your Conservation Number, and a valid, electronic version of your permit will appear on the app. Any active, valid permit can be reprinted at home for free at **[mdc.mo.gov/buypermits](https://mdc.mo.gov/buypermits)**. Replacement permits can also be purchased from any vendor for \$2.

## Apprentice Hunter Authorization

Hunters age 16 and older who are not hunter-education certified may hunt with firearms, as long as they:

- Purchase an Apprentice Hunter Authorization;
- Purchase the proper hunting permits for the seasons they want to hunt; and
- Hunt in the immediate presence of a properly licensed adult age 18 or older who has a valid hunter-education certificate card or was born before Jan. 1, 1967.

**Note:** The Apprentice Hunter Authorization by itself does not allow you to hunt. It only allows those who have not completed a hunter-education course to purchase firearms permits throughout the permit year. The Apprentice Hunter Authorization can be purchased for no more than two years.

### MDC's MO Hunting App Makes Permits Easy

The Conservation Department's free MO Hunting app offers a quick, easy, and convenient option for carrying your permits afield. The app, which is available for Apple and Android mobile devices, allows you to:

- Purchase permits and duck stamps.
- See all the hunting, fishing, and trapping permits you have purchased — even if they were purchased from a traditional vendor, online, or by telephone.
- Carry valid, electronic permits afield. **Note:** The MO Hunting app will display your purchase of a Federal Duck Stamp, but you must carry a paper duck stamp afield after your 45-day e-Stamp has expired. See Page 5.

To login to MO Hunting, you'll need your Conservation Number. This nine-digit number can be found on the back of your Heritage Card or on any current or previous permit. For help locating your Conservation Number, call 573-751-4115 during regular business hours and ask for Permit Services, or go to **[short.mdc.mo.gov/ZkH](http://short.mdc.mo.gov/ZkH)**.

MO Hunting is available in the Google Play and iTunes stores. You can also get MO Hunting and learn more about the app at **[mdc.mo.gov/mobile/mobile-apps](http://mdc.mo.gov/mobile/mobile-apps)**.



# Missouri Conservation Permit Card



## Missouri hunters, anglers, and trappers now have a new way of carrying and showing proof of permits

- Choose from four nature-inspired backgrounds to personalize your permit card.
- Permit Card provides an alternative to carrying paper or electronic permits while in the field.  
*(Not valid for deer, turkey, White River Border Lakes, daily trout tags, reciprocal privileges with other states, and Federal Duck Stamp)*
- Newly purchased permits are immediately loaded onto the card.
- Cardholders receive a 15 percent discount on merchandise sold at MDC facilities.
- Replaces the Heritage Card, which remains valid for hunter education (if applicable) and use at permit vendors.
- Cost — \$2.00 and the card does not expire.

## Teal Status

**B**lue-winged teal are second only to mallards as the most numerous duck in North America. Since 1955, their breeding population has ranged from 2.7 million to 9.2 million birds with the most recent 10-year average (2007–2016) weighing in at 7.7 million. Teal populations fluctuate with changing wetland conditions. Numbers decline during dry years and increase during wet years. The north-central United States has been slightly drier for the past several years. This may have contributed to the 2016 population estimate of 6.7 million teal, the first estimate since 2010 that has dipped below 7 million birds.

Blue-winged teal are among the earliest ducks to migrate south during fall and the latest to head north during spring. The first teal typically arrive in Missouri during August, and their numbers usually peak around mid-September. Most are far south of the state by the time the regular duck season opens. Fall migrating teal stay in Missouri a relatively short time, so the best hunting usually occurs when cold fronts bring winds favorable for migration. Teal may stay a few days in shallow wetlands with flooded vegetation, where they primarily eat seeds of wetland plants and aquatic invertebrates such as insects and snails before continuing on with their journey south.

Blue-winged teal, green-winged teal, and cinnamon teal are legal during the September teal season. Green-winged teal may make up nearly 25 percent of the teal harvest during some years, and a higher proportion of green-winged teal are harvested during the latter part of teal season. Cinnamon teal, a western species, are rare in Missouri.







CLIFF WHITE

## When Hunting From a Boat

Boating safety is an important aspect of hunting. Follow these practices to ensure your hunt doesn't end in tragedy.

- When using a boat with a motor, including a layout boat, special state statutes apply. For details, visit [mshp.dps.missouri.gov/MSHPWeb/WaterPatrol](https://mshp.dps.missouri.gov/MSHPWeb/WaterPatrol).
- Leave a detailed float plan with family or friends.
- Check the weather forecast. High winds can be dangerous.
- Don't overload the boat.
- Load gear low in the boat and distribute the weight evenly.
- Wear a Coast Guard-approved life jacket at all times.
- If using chest waders, wear a belt to keep them from filling with water.
- Carry a throwable flotation device in case someone falls overboard.
- Transport firearms unloaded, cased, and with the action open.
- At the first sign of a storm, head for shore.
- Exercise additional caution when boating through flood waters.

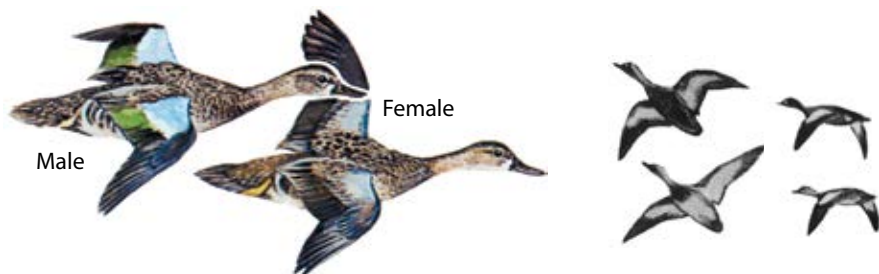
### If your boat swamps or capsizes:

- Stay with the boat, and use distress signals.
- To retain body heat, pull your knees to your chest and keep your elbows to your sides.
- To help you stay afloat, place an oar under your knees and another behind your back.
- If decoys are in reach, stuff them inside your jacket.

## LEGAL during teal season

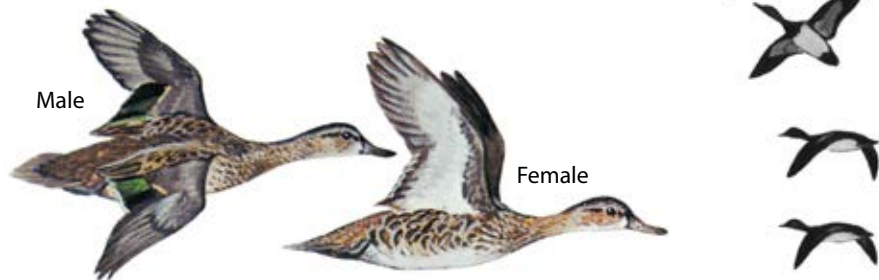
### Blue-winged teal

Blue-winged teal are Missouri's most common teal species. Their small size, rapid flight, and blue wing patches help with identification. **Be careful. Shovelers and wood ducks also have blue wing patches.**



### Green-winged teal

Green-winged teal are North America's smallest duck. Their size, rapid flight, and iridescent-green wing patches help to identify these ducks.



### Cinnamon teal

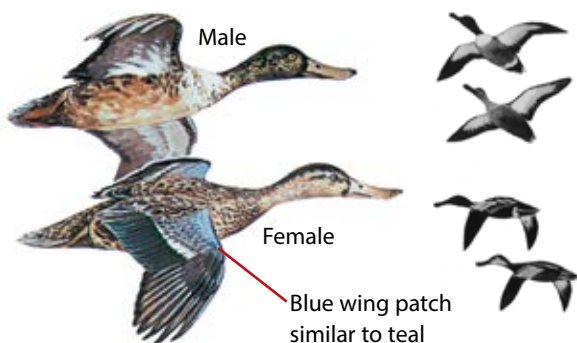
Cinnamon teal are extremely rare in Missouri. In the fall, they look similar to blue-winged teal.



## ILLEGAL during teal season

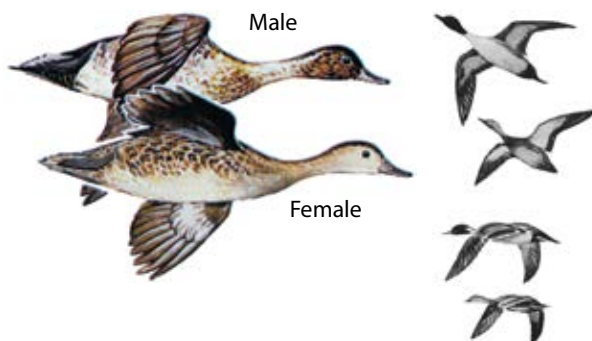
### Northern shoveler

Be careful! Shovelers sport blue wing patches and often are mixed in with flocks of blue-winged teal. The spoon-shaped bill, slower wingbeat, and slightly larger body help separate this duck from teal.



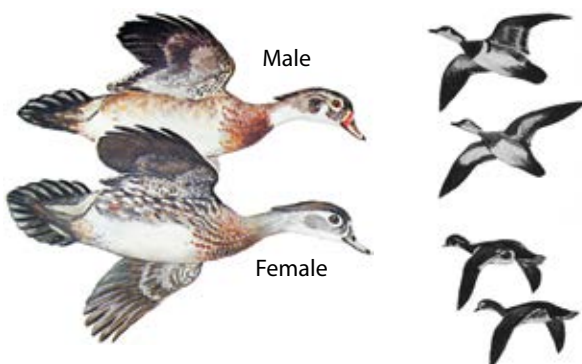
### Northern pintail

Pintails can turn up in Missouri during teal season. They lack blue wing patches. Long, graceful bodies and pointed tails help to identify these early migrants.



### Wood duck

Be careful! Like blue-winged teal, wood ducks have a blue wing patch. The square tail, blocky head, larger size, and slower wingbeat confirm this duck's identity.



Illustrations from *Ducks at a Distance: A Waterfowl Identification Guide*.  
Used with permission of the U.S. Fish and Wildlife Service.

## Three Species of Doves Provide Hunting Opportunities Statewide

**M**ourning doves, Eurasian collared-doves, and white-winged doves are legal to hunt. Allowing hunting for these three species maintains the integrity of mourning dove populations and provides more hunting opportunities.

Mourning doves are found in every county in Missouri, with greatest densities occurring in southeastern counties. White-winged doves, native to the southern United States, are rare in Missouri, but their range is expanding. Eurasian collared-doves have been documented statewide, though their greatest concentrations are in the southeast. Predictions about dove distributions and numbers are difficult to make prior to the hunting season because dove migration depends upon the weather and food availability.

Doves benefit from cultivated areas and are especially abundant in crop fields and weedy areas. Preferred foods include corn, sunflower seeds, and small grains. Doves also eat seeds from pigweed, crotons, panic grasses, foxtails, and ragweed, but sunflowers seem to be the most dependable lure crop.

The U.S. Fish and Wildlife Service uses information from banding programs and roadside, harvest, and wing collection surveys to establish frameworks for hunting regulations. For 2017, the combined daily bag limit is 15. The combined possession limit for doves is 45. All three dove species count toward daily and possession limits. See the back cover for more information.

### Dove Hunting on Public Land

Dove hunting fields on conservation areas are planted in sunflowers, wheat, millet, buckwheat, corn, or a combination of the above. Each field provides a different type of hunting experience.

To locate dove fields, contact the regional office in the area you want to hunt. Maps of areas that have dove fields are available from the Department's website at **[short.mdc.mo.gov/ZZ7](http://short.mdc.mo.gov/ZZ7)**.

#### **REMEMBER: Keep Missouri litter free.**

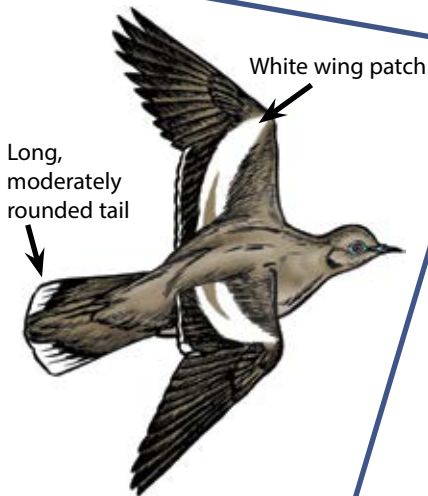
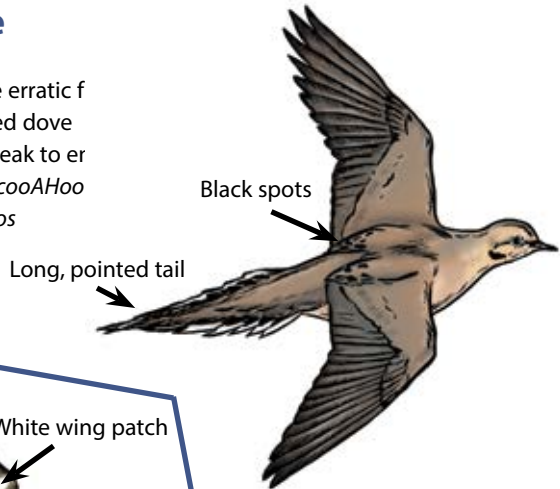
Be sure to pack out empty shotgun shells and shell boxes when you leave for the day.



## Dove Identification

### Mourning dove

- Grayish-brown
- Faster wing beat, more erratic path than white-winged dove
- 12 inches from tip of beak to ear
- Call is a soft, inflected *cooAHoo* followed by several coos

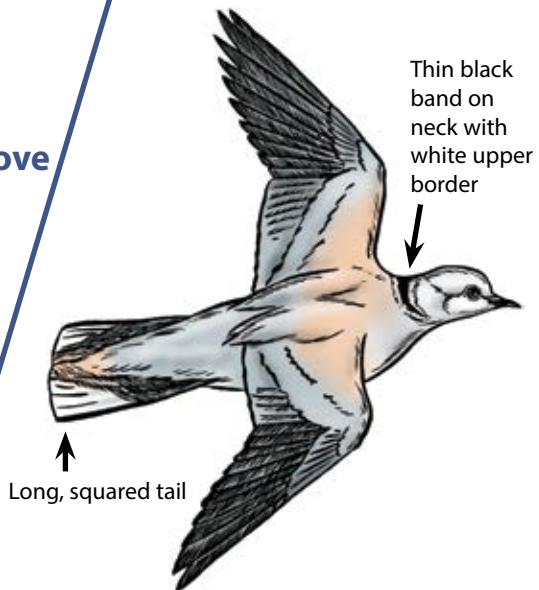


### White-winged dove

- Grayish-brown
- Slightly larger than mourning dove
- Call is a soft *hoo-hoo* *hoo-hoo* with the final note descending

### Eurasian collared-dove

- Gray
- 5 inches from tip of beak to end of tail
- Call is a three-part *coo* with similar tone to a domestic pigeon



## Report Your Bands to [reportband.gov](http://reportband.gov)

Bands recovered and reported by hunters provide important information about survival, migration, harvest rates, and distributions for a variety of migratory game birds.

To report band numbers from all types of birds (except pigeons), go online at **[reportband.gov](http://reportband.gov)**. You will receive a certificate of appreciation via email and information about the bird. The band is yours to keep.

*Thanks for doing your part to help manage migratory game birds.*

## Hunters Provide Valuable Dove Data by Reporting Bands and Collecting Wings

**M**ourning doves are one of the most widely distributed and abundant birds in North America. They also are a popular game bird that is hunted in 40 of the lower 48 states. Up-to-date survival and harvest rate information is critical for understanding the effects of annual hunting regulations on mourning dove populations, and banding is an important tool for obtaining this information.

Missouri, in cooperation with other dove hunting states, is participating in a nationwide mourning dove banding program. Information from this program will be used to determine mourning dove harvest rates, estimate annual survival, and provide information regarding the geographical distribution of harvest.

From 2014 to 2016, more than 26,000 mourning doves were banded in Missouri, and more than 3,000 banded doves were reported by hunters. Captured doves are fitted with a U.S. Fish and Wildlife Service (USFWS) band inscribed with an identification number, web address, and toll-free telephone number for band reporting.

Hunters should examine their mourning doves for leg bands. By reporting banded doves, you help manage this important migratory bird resource. If you harvest a banded dove, follow the instructions at the top of this page.

Missouri also is cooperating with the USFWS in collecting mourning dove wings from hunters. Randomly selected hunters will be asked to save one wing from each dove during the first week of the season and mail the wings (postage free) to the USFWS. Hunters using high-use public areas may be asked to provide dove wings as part of the monitoring effort. Data from the wings, in combination with information from banded birds, will be used to help establish hunting regulations.



## Falconry Season for Migratory Game Birds

- Doves may be taken by falconry Sept. 1–Dec. 16, 2017, from one-half hour before sunrise to sunset.
- Ducks, mergansers, and coots may be taken by falconry Sept. 9–24, 2017, from sunrise to sunset; during the youth and regular duck seasons in their respective zones with hunting hours 1/2 hour before sunrise to sunset; and from Feb. 10 to March 10, 2018, statewide with hunting hours 1/2 hour before sunrise to sunset.

The daily bag limit shall not exceed three birds (doves, ducks, mergansers, and/or coots) singly or in the aggregate. The possession limit shall not exceed nine birds singly or in the aggregate.

Additional falconry regulations, including permit requirements, can be found in chapters 7 and 9 of the *Wildlife Code of Missouri*, which is available online at [sos.mo.gov/adrules/csr/current/3csr/3csr.asp](http://sos.mo.gov/adrules/csr/current/3csr/3csr.asp).

**Note:** According to rule 3 CSR 10-5.216 of the *Wildlife Code of Missouri*, if you have been convicted of multiple or major violations of the *Code* in the past five years, the Conservation Commission may consider suspending or revoking your hunting, trapping, and/or fishing privileges regardless of any previous court action. The point system the Commission uses to assess *Code* violations is explained at [short.mdc.mo.gov/ZkV](http://short.mdc.mo.gov/ZkV).

## LEGAL during migratory bird season

The species on this page are legal to hunt during migratory bird seasons. See the back cover for season dates and limits.

### American woodcock

Buff-colored  
body and wings

Long pink bill



Plump body

When flushed, wings make a  
whirring sound.

### Wilson's (common) snipe

Long gray bill



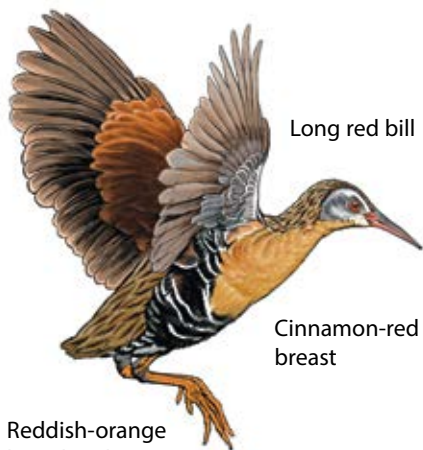
White belly

Short,  
dark wings

Plump body

When flushed, often flies in a zigzag  
pattern and calls a harsh *scaip, scaip*.

### Virginia rail



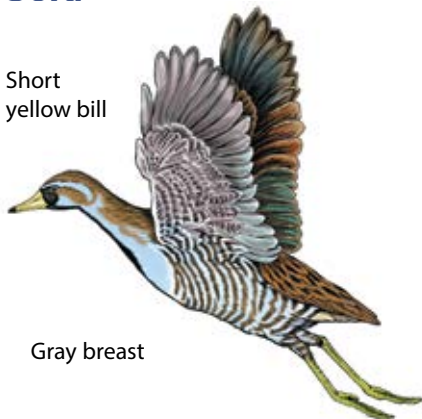
Long red bill

Cinnamon-red  
breast

Reddish-orange  
legs dangle  
in flight.

### Sora

Short  
yellow bill



Gray breast

Yellow legs  
dangle in flight.

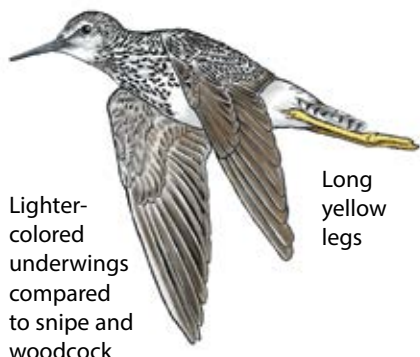


## ILLEGAL during migratory bird seasons

The following shorebirds look similar to snipe and woodcock but are illegal to hunt during the migratory bird seasons. Be certain you have correctly identified your target before you pull the trigger.

### Lesser and greater yellowlegs

Gray bill, shorter than the bills of snipe or woodcock



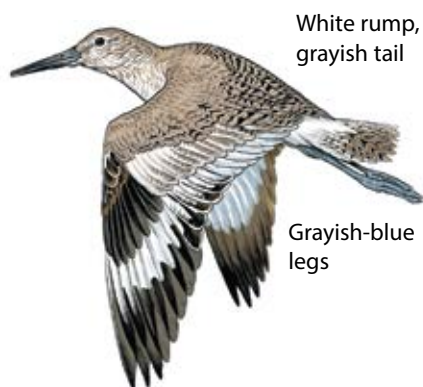
### Long-billed and short-billed dowitchers

White wedge extends from tail to middle of back.



### Willet

Gray bill is shorter and heavier compared to snipe and woodcock.



Larger body than snipe or woodcock

### Stilt sandpiper

Slimmer than snipe and woodcock

Gray bill, pronounced droop at the tip, shorter than the bills of snipe or woodcock



## Federal Regulations Summary

In addition to state regulations, the following federal rules apply to the hunting of migratory game birds. **Note:** This is only a summary. For more information, visit [ecfr.gov](http://ecfr.gov), where a complete version of Title 50, Part 20 of the *Code of Federal Regulations* can be found. When state law is different from federal law, hunters must follow the more restrictive law.

### No person shall take migratory game birds:

- With a trap, snare, net, rifle, pistol, swivel gun, shotgun larger than 10 gauge, punt gun, battery gun, machine gun, fish hook, poison, drug, explosive, or stupefying substance.
- With a shotgun capable of holding more than three shells, unless it is plugged with a one-piece filler that is incapable of removal without disassembling the gun.
- From or by means, aid, or use of a sink box or any other type of low-floating device having a depression affording the hunter a means of concealment beneath the surface of the water.
- From or by means, aid, or use of any motor vehicle, motor-driven land conveyance, or aircraft of any kind, except that paraplegics and persons missing one or both legs may take from any stationary motor vehicle or stationary motor-driven land conveyance.
- From or by means of any motorboat or other craft having a motor attached, or any sailboat, unless the motor has been completely shut off and/or the sails furled, and its progress therefrom has ceased.
- By the use or aid of live birds as decoys. All live, tame, or captive ducks and geese shall be removed for a period of 10 consecutive days prior to hunting, and confined within an enclosure which substantially reduces the audibility of their calls and totally conceals such birds from the sight of wild migratory waterfowl.
- By the use or aid of recorded or electrically amplified bird calls or sounds, or recorded or electrically amplified imitations of bird calls or sounds.
- By means or aid of any motor-driven land, water, or air conveyance, or any sailboat used for the purpose of or resulting in the concentrating, driving, rallying, or stirring up of any migratory bird.
- By the aid of baiting (placing grain, salt, or other feed to constitute a lure or attraction), or on or over any baited area, where a person knows or reasonably should know that the area is or has been baited. An area is considered to be baited for 10 days after the complete removal of bait. The following do not constitute baited areas or baiting: standing crops or flooded standing crops; standing, flooded, or manipulated natural vegetation; flooded harvested croplands; lands where seeds have been scattered solely as the result of a normal agricultural planting, harvesting, post-harvest

manipulation, or normal soil stabilization practice; hunting from a blind or other place of concealment that is camouflaged with natural vegetation or vegetation from agricultural crops as long as such camouflaging does not result in the exposing or scattering of grain. Normal agricultural practices must be conducted in accordance with recommendations of the State Extension Specialists of the Cooperative State Research, Education, and Extension Service of the U.S. Department of Agriculture — Cooperative Extension Service. A normal agricultural planting is undertaken for the purpose of producing a crop. Waterfowl may not be hunted over freshly planted wildlife food plots where grain or seed has been distributed, scattered, or exposed because these plots are not normal agricultural plantings or normal soil stabilization practices. For doves only, grain or feed distributed or scattered solely as the result of manipulation of an agricultural crop on the land where it was grown does not constitute baiting.

**WANTON WASTE:** No person shall kill or cripple any migratory game bird without making a reasonable effort to retrieve the bird, and retain it in one's actual custody, at the place where taken or between that place and either (a) one's automobile or principal means of land transportation; or (b) one's personal abode or temporary or transient place of lodging; or (c) a migratory bird preservation facility; or (d) a post office; or (e) a common carrier facility.

**OPENING DAY OF A SEASON:** No person on the opening day of the season shall possess any freshly killed migratory game birds in excess of the daily bag limit or aggregate daily bag limit, whichever applies.

**FIELD POSSESSION LIMIT:** No person shall possess, have in custody, or transport more than the daily bag limit or aggregate daily bag limit, whichever applies, of migratory game birds, tagged or not tagged, at or between the place where taken and either (a) one's automobile or principal means of land transportation; or (b) one's personal abode or temporary or transient place of lodging; or (c) a migratory bird preservation facility; or (d) a post office; or (e) a common carrier facility.

**TAGGING REQUIREMENTS:** No person shall put or leave any migratory game birds at any place (other than one's personal abode), or in the custody of another person for picking, cleaning, processing, shipping, transportation, or storage (including temporary storage), or for the purpose of having taxidermy services performed, unless such birds have a tag attached, signed by the hunter, stating the hunter's address, the total number and species of birds, and the date such birds were killed. Migratory game birds being transported in any vehicle as the personal baggage of the possessor shall not be considered as being in storage or temporary storage.

**CUSTODY OF BIRDS OF ANOTHER:** No person shall receive or have in custody any migratory game birds belonging to another person unless such birds are properly tagged.

**TERMINATION OF POSSESSION:** Subject to all other requirements of this part, the possession of birds taken by any hunter shall be deemed to have ceased when such birds have been delivered by the hunter to another person as a gift; or have been delivered by the hunter to a post office, a common carrier, or a migratory bird preservation facility and consigned for transport by the Postal Service or a common carrier to some person other than the hunter.

**GIFT OF MIGRATORY GAME BIRDS:** No person may receive, possess, or give to another any freshly killed migratory game birds as a gift, except at the personal abodes of the donor or donee, unless such birds have a tag attached, signed by the hunter who took the birds, stating such hunter's address, the total number and species of birds, and the date such birds were taken.

**TRANSPORTATION OF BIRDS OF ANOTHER:** No person shall transport migratory game birds belonging to another person unless such birds are properly tagged.

**SPECIES IDENTIFICATION REQUIREMENT:** No person shall transport within the United States any migratory game birds, except doves and band-tailed pigeons, unless the head or one fully feathered wing remains attached to each such bird at all times while being transported from the place where taken until they have arrived at the personal abode of the possessor or a migratory bird preservation facility.

**MARKING PACKAGE OR CONTAINER:** No person shall transport by the U.S. Postal Service or a common carrier migratory game birds unless the package or container in which such birds are transported has the name and address of the shipper and the consignee and an accurate statement of the numbers of each species of birds therein contained clearly and conspicuously marked on the outside thereof.

**NONTOXIC SHOT:** Shot (either in shotshells or as loose shot for muzzle-loading) possessed or used while hunting teal statewide, or doves, rails, snipe, and woodcock as designated by posting on public areas, must be approved as nontoxic by the U.S. Fish and Wildlife Service. As of June 2017, shot types approved as being nontoxic are:

- Bismuth-tin
- Copper-clad iron
- Iron (steel)
- Iron-tungsten
- Iron-tungsten-nickel
- Tungsten-bronze (two types)
- Tungsten-iron-copper-nickel
- Tungsten-iron-polymer
- Tungsten-matrix
- Tungsten-polymer
- Tungsten-tin-bismuth
- Tungsten-tin-iron
- Tungsten-tin-iron-nickel



## Some Conservation Areas Require Nontoxic Shot

A nontoxic-shot only regulation for all hunting with a shotgun is in effect at 21 conservation areas. These areas have larger wetlands where sizeable numbers of waterfowl and shorebirds concentrate in the fall and spring.

Ingesting lead shot can be fatal to all vertebrates including waterfowl, doves, and scavenging birds such as eagles. Evidence points to lead poisoning occurring in more than 134 species including amphibians, reptiles, birds, and mammals.

The nontoxic-shot rule applies to all hunting with a shotgun on these areas, including dove, turkey, quail, rabbit, and squirrel hunting. Since 1991, waterfowl hunters in Missouri have used nontoxic shot for all duck, goose, and coot hunting regardless of where they were hunting.

Many of the 21 conservation areas included in this nontoxic-shot requirement offer good dove hunting. Quality nontoxic-shot shells for all gauges are available commercially at a reasonable cost.

**Use or possession of lead shot is prohibited for hunting on the following Department of Conservation areas:**

- |                   |                       |                  |
|-------------------|-----------------------|------------------|
| ■ Black Island    | ■ Fountain Grove      | ■ Montrose       |
| ■ Bob Brown       | ■ Four Rivers         | ■ Nodaway Valley |
| ■ Columbia Bottom | ■ Grand Pass          | ■ Otter Slough   |
| ■ Cooley Lake     | ■ B.K. Leach Memorial | ■ Schell-Osage   |
| ■ Coon Island     | ■ Little Bean Marsh   | ■ Settle's Ford  |
| ■ Duck Creek      | ■ Little River        | ■ Ted Shanks     |
| ■ Eagle Bluffs    | ■ Marais Temps Clair  | ■ Ten Mile Pond  |

### *MCHF Helps You Invest in Your Love for Nature*

Since 1997, thanks to donations from hunters like you, the Missouri Conservation Heritage Foundation has supported many projects and events, including youth

hunting events, blinds for hunters with disabilities, wildlife habitat improvements, and conservation education. **With your help, we can do even more.** Consider making a planned gift or other donation, or purchasing a Conservation Heritage License Plate today. You may direct your contributions to the area of conservation you care most about. For more information, visit **[mochf.org](http://mochf.org)** or call 800-227-1488.





**Director,**  
**Department of Conservation**  
 Sara Parker Pauley

### The Conservation Commission

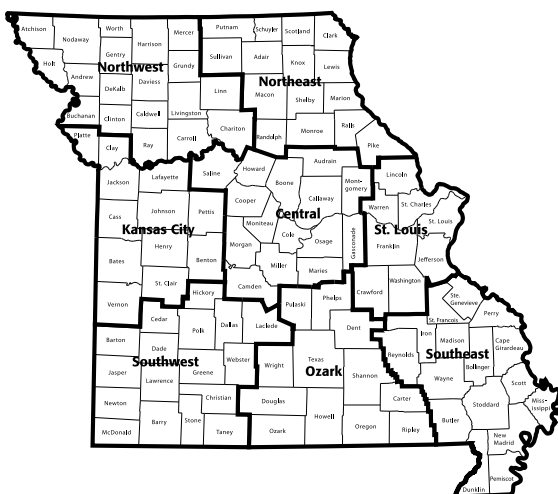
Don C. Bedell  
 James T. Blair, IV  
 Marilynn J. Bradford  
 David W. Murphy

**Missouri Department of  
 Conservation**  
 PO Box 180  
 Jefferson City, MO 65102-0180  
 573-751-4115

**[mdc.mo.gov](http://mdc.mo.gov)**

Equal opportunity to participate in and benefit from programs of the Missouri Department of Conservation is available to all individuals without regard to their race, color, religion, national origin, sex, ancestry, age, sexual orientation, veteran status, or disability. Questions should be directed to the Department of Conservation, PO Box 180, Jefferson City, MO 65102, 573-751-4115 (voice) or 800-735-2966 (TTY), or to Chief, Public Civil Rights, Office of Civil Rights, U.S. Department of the Interior, 1849 C Street, NW, Washington, D.C. 20240.

## Contact Information



### Central Region

3500 East Gans Road  
 Columbia, MO 65201  
 573-815-7900

### Kansas City Region

12405 SE Ranson Road  
 Lee's Summit, MO 64082  
 816-622-0900

### Northeast Region

3500 S. Baltimore  
 Kirksville, MO 63501  
 660-785-2420

### Northwest Region

701 James McCarthy Drive  
 St. Joseph, MO 64507  
 816-271-3100

### Ozark Region

551 Joe Jones Blvd.  
 West Plains, MO 65775  
 417-256-7161

### Southeast Region

2302 County Park Drive  
 Cape Girardeau, MO 63701  
 573-290-5730

### Southwest Region

2630 N. Mayfair  
 Springfield, MO 65803  
 417-895-6880

### St. Louis Region

2360 Highway D  
 St. Charles, MO 63304  
 636-441-4554

# Sunrise and Sunset at Jefferson City, Mo.

## Central Standard Time

DAY	SEPT. 2017		OCT. 2017		NOV. 2017		DEC. 2017	
	Rise A.M.	Set P.M.	Rise A.M.	Set P.M.	Rise A.M.	Set P.M.	Rise A.M.	Set P.M.
1	6:38	7:38	7:05	6:51	7:36	6:08	7:08	4:48
2	6:39	7:37	7:06	6:50	7:37	6:07	7:09	4:48
3	6:40	7:35	7:07	6:48	7:38	6:06	7:10	4:48
4	6:41	7:34	7:08	6:46	7:39	6:05	7:11	4:48
5	6:42	7:32	7:09	6:45	6:40	5:04	7:11	4:47
6	6:43	7:31	7:09	6:43	6:41	5:03	7:12	4:47
7	6:44	7:29	7:10	6:42	6:42	5:02	7:13	4:47
8	6:44	7:27	7:11	6:40	6:43	5:01	7:14	4:47
9	6:45	7:26	7:12	6:39	6:44	5:00	7:15	4:48
10	6:46	7:24	7:13	6:37	6:46	4:59	7:16	4:48
11	6:47	7:23	7:14	6:36	6:47	4:59	7:16	4:48
12	6:48	7:21	7:15	6:34	6:48	4:58	7:17	4:48
13	6:49	7:20	7:16	6:33	6:49	4:57	7:18	4:48
14	6:50	7:18	7:17	6:32	6:50	4:56	7:19	4:48
15	6:51	7:16	7:18	6:30	6:51	4:55	7:19	4:49
16	6:51	7:15	7:19	6:29	6:52	4:55	7:20	4:49
17	6:52	7:13	7:20	6:27	6:53	4:54		
18	6:53	7:12	7:21	6:26	6:54	4:53		
19	6:54	7:10	7:22	6:25	6:55	4:53		
20	6:55	7:08	7:23	6:23	6:56	4:52		
21	6:56	7:07	7:24	6:22	6:58	4:52		
22	6:57	7:05	7:25	6:21	6:59	4:51		
23	6:58	7:04	7:26	6:19	7:00	4:51		
24	6:58	7:02	7:27	6:18	7:01	4:50		
25	6:59	7:00	7:28	6:17	7:02	4:50		
26	7:00	6:59	7:29	6:15	7:03	4:49		
27	7:01	6:57	7:30	6:14	7:04	4:49		
28	7:02	6:56	7:31	6:13	7:05	4:49		
29	7:03	6:54	7:33	6:12	7:06	4:48		
30	7:04	6:53	7:34	6:11	7:07	4:48		
31			7:35	6:10				

This table is for Jefferson City and points on the same longitude north and south. For locations east, subtract one minute for each 13.5 miles of airline distance. For locations west, add one minute for each 13.5 miles. **Sunrise and sunset from Sept. 1 to Nov. 4 have been converted to daylight saving time.** To calculate the sunrise and sunset times anywhere in the United States, visit the U.S. Naval Observatory website: [www.usno.navy.mil/USNO/astronomical-applications](http://www.usno.navy.mil/USNO/astronomical-applications).

## 2017 Hunting Seasons

SPECIES	SEASON DATES	SHOOTING HOURS	DAILY BAG LIMIT	POSSESSION LIMIT
<b>Mourning, Eurasian Collared, and White-Winged Doves</b>	Sept. 1–Nov. 29	One-Half Hour Before Sunrise to Sunset‡	15*	45*
<b>Wilson's (Common) Snipe</b>	Sept. 1–Dec. 16		8	24
<b>Sora and Virginia Rail</b>	Sept. 1–Nov. 9		25*	75*
<b>American Woodcock</b>	Oct. 15–Nov. 28		3	9
<b>Blue-Winged, Green-Winged, and Cinnamon Teal</b>	Sept. 9–24	Sunrise to Sunset‡	6*	18*

\*Combined total of all species.

‡See Page 23 for sunrise/sunset table.

## Migratory Bird Harvest Information

When you purchase your Migratory Bird Hunting Permit, the vendor asks you a series of questions about your migratory bird hunting activities of the previous year. The answers you provide place you in a category with other migratory bird hunters by type and amount of hunting activity. This allows the Conservation Department and the U.S. Fish and Wildlife Service, through the cooperative effort known as the Migratory Bird Harvest Information Program, to use harvest surveys to sample hunters from each category. This survey information is extremely important and is considered when establishing migratory bird hunting seasons each year. Your cooperation in supplying this information is vital. If you receive a survey, please complete and return it, even if you did not hunt or were unsuccessful while afield. All the information you provide is important. By completing the survey, you are doing your part to help manage migratory birds.